



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

INDEX TO AMERICAN MYCOLOGICAL LITERATURE

This index is prepared by Dr. B. O. Dodge, of Columbia University, and covers the same scope for the fungi as that covered by the general index published monthly in the Bulletin of the Torrey Botanical Club. It is not reprinted on cards for distribution.

Bachmann, F. M. A new type of spermogonium and fertilization in *Collema*. Ann. Bot. **26**: 747-760. *pl.* 69. J1 1912.

Banker, H. J. Type studies in the *Hydnaceae*—I. The genus *Manina*. Mycologia **4**: 271-278. 28 Au 1912.

Three new combinations are made.

Brown, P. E., & Smith, R. E. Bacterial activities in frozen soils. Centralb. Bakt. Zweite Abt. **34**: 369-385. 20 J1 1912.

Brown, P. E. Bacteriological studies of field soils. I. The effects of liming. Centralb. Bakt. Zweite Abt. **35**: 234-248. 16 S 1912. II. The effects of continuous cropping and various rotations. Centralb. Bakt. Zweite Abt. **35**: 248-272. 16 S 1912.

Coons, G. H. Some investigations of the cedar rust fungus. *Gymnosporangium juniperi-virginianae*. Ann. Rept. Agr. Exp. Sta. Univ. Nebraska **25**: 217-242. *pl.* 1-3. 1912.

Crabill, C. H. Results of pure culture studies on *Phyllosticta pirina* Sacc. Science II. **36**: 155-157. 2 Au 1912.

Cunningham, G. C. The comparative susceptibility of cruciferous plants to *Plasmodiophora brassicae*. Phytopathology **2**: 138-142. Au 1912.

Essed, E. Cacao canker. West Ind. Bull. **12**: 302-308. 1912.

Fawcett, G. L. Report of the pathologist. Ann. Rep. Porto Rico Agr. Exp. Sta. **1911**: 37-39. 3 S 1912.

Includes notes on plant diseases, soil biology, and royal-palm root nodules.

Fawcett, H. S. Citrus scab (*Cladosporium Citri* Massee). Univ. Florida Agr. Exp. Sta. Bull. **109**: 51-60. *f.* 24-31. My 1912.

Includes short account of the history of the scab, the fungus in cultures, germination of spores, infection experiments and preventive measures.

- Fink, B.** A college course in plant pathology. *Phytopathology* 2: 150-152. Au 1912.
- Gee, W. P., & Massey, A. B.** *Aspergillus* infecting *Malacosoma* at high temperatures. *Mycologia* 4: 279-281. f. 1. 28 Au 1912.
- Glaser, R. W., & Chapman, J. W.** Studies on the wilt disease, or "flacheria" of the gypsy moth. *Science* II. 36: 219-224. 16 Au 1912.
Disease attributed to *Gyrococcus flaccidifex* gen. et sp. nov.
- Güssow, H. T.** The nature of parasitic fungi. Their influence upon the host plant. *Gard. Chron.* 51: 183. 23 Mr 1912; 198. 30 Mr 1912; 215, 216. 6 Ap. 1912.
- Harding, H. A.** The trend of investigation in plant pathology. *Phytopathology* 2: 161-163. Au 1912.
- Hastings, E. G.** A method for the preservation of plate cultures for museum and demonstration purposes. *Centralb. Bakt. Zweite Abt.* 34: 432-434. pl. 1-3. 20 Jl 1912. [Illust.]
- Hedgcock, G. G.** A *Cronartium* associated with *Peridermium filamentosum* Peck. *Phytopathology* 2: 176, 177. Au 1912.
- Hedges, F., & Tenny, L. S.** A knot of citrus trees caused by *Sphacropsis tumefaciens*. U. S. Dept. Agr. Plant Ind. Bull. 247: 5-74. pl. 1-9 + f. 1-8. 17 Au 1912.
- Herre, A. W. C. T.** New or rare California lichens. *Bryologist* 15: 81-87. S 1912.
Includes *Trimmatothele umbellariae*, *Heppia alumenensis* and *Legania shastensis* spp. nov.
- Hoffman, C.** A contribution to the subject of soil bacteriological analytical methods. *Centralb. Bakt. Zweite Abt.* 34: 385-388. 20 Jl 1912.
- Hori, S.** A new leaf rust of peach. *Phytopathology* 2: 143-145. pl. 13, 14. Au 1912.
Puccinia pruni-persicae sp. nov.
- Jensen, C. N.** Fungus flora of the soil. *Cornell Univ. Agr. Exp. Sta. Bull.* 315: 415-501. f. 100-134. Je 1912.
- Johnson, J. C.** The morphology and reactions of *Bacillus megatherium*. *Centralb. Bakt. Zweite Abt.* 35: 209-222. f. 1-3. 16 S 1912.

- Jones, L. R.** Potato diseases in Wisconsin and their control. Univ. Wisconsin Agr. Exp. Sta. Circ. 36: 1-10. Je 1912.
- Jones, L. R., Giddings, N. J., & Lutman, B. F.** Investigations of the potato fungus *Phytophthora infestans*. U. S. Dept. Agr. Plant Ind. Bull. 245: 5-100. *pl.* 1-10 + *f.* 1-10. 10 Au 1912.
- Lloyd, C. G.** Index of the mycological writings of C. G. Lloyd, vol. III., 1909-1912. 1-16. Cincinnati. 1912.
- Long, W. H.** Notes on three species of rust on *Andropogon*. Phytopathology 2: 164-171. Au 1912.
Describes culture experiments with *Puccinia ellisiana* Thuem, *Uromyces andropogonis* Tracy, and *Puccinia violae* (Schum.) D. C.
- Long, W. H.** Two new species of rust. Mycologia 4: 282-284.
Tricella acuminata gen. et sp. nov. and *Peridermium inconspicuum* sp. nov. 28 Au 1912.
- Metcalf, H.** Diseases of the chestnut and other trees. Trans. Massachusetts Hort. Soc. 1912: 69-90. 1912.
- Morse, W. J.** Does the potato scab organism survive passage through the digestive tract of domestic animals? Phytopathology 2: 146-149. *pl.* 15. Au 1912.
Concludes that the germs are able to pass the digestive tract of both the horse and the cow without being destroyed.
- Murrill, W. A.** The *Agaricaceae* of the Pacific Coast—II. Mycologia 4: 231-262. 28 Au 1912.
New species are described in *Lepiota* (15), *Venenarius* (3), *Crepidotus* (1), *Pluteolus* (2), *Gymnopilus* (14), *Pholiota* (4), and *Hypodendrum* (1).
- Murrill, W. A.** The McClatchie Herbarium. Jour. N. Y. Bot. Gard. 13: 147, 148. S 1912.
- O'Gara, P. J.** *Urophlyctis alfalfae*, a fungus disease of alfalfa occurring in Oregon. Science II. 36: 487, 488. 11 O 1912.
- Patouillard, N.** Quelques champignons du Costa Rica. Bull. Soc. Myc. France 28: 140-143. 15 Jl 1912.
Six new species and two new varieties described.
- Peck, C. H.** Report of state botanist, 1911. N. Y. State Mus. Bull. 157: 5-139. *pl.* 124-130 + *pl.* VII, VIII. 1 Mr 1912.
Includes the New York species of *Clitocybe*, *Laccaria* and *Psilocybe*. Thirty-eight new species of fungi are described.
- Reddick, D.** Field laboratory equipment. Phytopathology 2: 172-174. Au 1912.

Rehm, H. Ascomycetes novi. Ann. Myc. **10**: 389-397. 10 Au 1912.

Includes a new species in *Mycobilimbia*, *Melanconiella*, and *Fabraea* from America.

Rehm, H. Ascomycetes exs. Fasc. 50. Ann. Myc. **10**: 353-358. 10 Au 1912.

Includes notes on *Valsa etherialis* E. & E., *Diaporthe ostryigena* Ellis & Dearness, *D. tuberculosa* (Ellis) Sacc., *Valsaria exasperans* var. *Aceris* Rehm, and descriptions of *Leptosphaeria punctillum*, and *L. associata* Rehm.

Schock, O. D. Fighting the chestnut tree blight. Am. Forest. **18**: 575-579. S 1912. [Illust.]

Seaver, F. J., & Clark, E. D. Biochemical studies on soils subjected to dry heat. Biochem. Bull. **1**: 413-427. pl. 7. Mr. 1912.

Also includes information on the growth of fungi as affected by heat.

Smith, E. F. *Bacillus coli*, a cause of plant disease. Phytopathology **2**: 175, 176. Au 1912.

A note explaining priority of publication on the subject.

Smith, E. F. Bacterial mulberry blight. Phytopathology **2**: 175. Au 1912.

Discusses the use of the name *Bacterium mori*.

South, F. W. Fungus diseases of cacao. West Ind. Bull. **12**: 277-302. 1912.

Includes popular descriptions of the diseases and a list of species with their common names.

Speare, A. T. Notes on Hawaiian fungi. I. *Gibellula suffulta* n. sp. Phytopathology **2**: 135-137. pl. 12. Au 1912.

Stevens, N. E. *Polystictus versicolor* as a wound parasite of catalpa. Mycologia **4**: 263-270. pl. 74, 75. 28 Au 1912.

Stout, A. B. A fungous infection of the ear. Jour. N. Y. Bot. Gard. **13**: 126, 127. [S] 1912.

Aspergillus nigricans Cooke.

Sydow, H. & P. Novae fungorum species—VIII. Ann. Myc. **10**: 405-410. 10 Au 1912. [Illust.]

Includes *Cronartium egenulum* from Brazil.

Taubenhaus, J. J. A further study of some Gleosporiums and their relation to a sweet pea disease. Phytopathology **2**: 153-160. f. 1 + pl. 16. Au 1912.

Thaxter, R. Preliminary descriptions of new species of *Rickia* and *Trenomycetes*. Proc. Am. Acad. Arts & Sci. **48**: 365-386. S 1912.

Includes eighteen new species of *Rickia* and four of *Trenomycetes*.

Thaxter, R. New or critical *Laboulbeniales* from Argentine. Proc. Am. Acad. Arts & Sci. **48**: 155-223. S 1912.

Includes nine new genera and sixty-five new species.

Webster, H. S. Grape culture in Pennsylvania. Dept. Agr. Pennsylvania Bull. **217**: 9-66. f. 1-52. 1912.

Includes a chapter on fungus diseases of grapes.

Whetzel, H. H. A destructive disease of peonies. Florists' Exchange **34**: 565, 566. f. 1-4. 14 S 1912.

Discusses the economic importance, symptoms, and control of the "American Botrytis blight of the peony."

Wolf, F. A. The perfect stage of *Actinonema rosae*. Bot. Gaz. **54**: 218-234. pl. 13. 21 S 1912.

Includes *Diplocarpon* gen. nov.

Wolf, F. A., & Lloyd, F. E. Oedema on manihot. Phytopathology **2**: 131-134. pl. 11 + f. 1. Au 1912.

Zahlbruckner, A. Neue Flechten—VI. Ann. Myc. **10**: 359-384. 10 Au 1912.

Includes *Dermatocarpon heppioides*, *Mycoporellum californicum*, *Opeggrapha Hassei*, *Lecidea Hassei*, *Caloplaca Felipponei*, and *Sticta Pöchi* spp. nov. from America.